

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CN03/00462

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup> C07C33/042 C07C29/42 C07C215/36 C07D239/80  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ, CNPAT, STN

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN1314333A (Shanghai Institute of Organic Chemistry) 26.09.2001 (see the whole document) C07C33/42	1-21
A	CN1185146A (MERCK & CO INC) 17.06.1998 (see the whole document) C07C213/00	1-21
A	US5202484A (ZAMBON GROUP SPA) 13.04.1993 (see the whole document) C07C209/00	1-21
A	WO0170707A (Du Pont Pharm. Co.) 27.09.2001 (see the whole document) C07D239/00	1-21

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

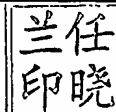
* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
25.12.2003

Date of mailing of the international search report  
15 · JAN 2004 (15 · 01 · 2004)

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**INTERNATIONAL SEARCH REPORT**

## Information on patent family members

International application No.  
PCT/CN03/00462

Patent document Cited in search report	Publication date	Patent family member(s)	Publication date
CN1314333A	26.09.2001	None	
CN1185146A	17.06.1998	WO9637457A1	28.11.1996
		AU5866796A	11.12.1996
		US5633405A	27.05.1997
		US5698741A	16.12.1997
		EP0828703A1	18.03.1998
		CZ9703709A3	15.04.1998
		JP10506642T	30.06.1998
		SK9701569A3	09.09.1998
		NZ308824A	25.11.1998
		JP2839717B2	16.12.1998
		BR9608839A	08.06.1999
		HU9802566A2	28.06.1999
		AU709273B	26.08.1999
		MX9709064A1	01.03.1998
		KR99021899A	25.03.1999
		EP0828703B1	20.09.2000
		DE69610422E	26.10.2000
		ES2151666T	01.01.2001
		TW402581A	21.08.2000
		SK282412B	07.01.2002
		MX199501B	10.11.2000
US5202484A	13.04.1993	EP0423705A	24.04.1991
		JP3188050A	16.08.1991
		EP0423705A3	06.05.1992
		IT1237798B	17.06.1993
		US5284966A	08.02.1994
		EP0423705B1	11.01.1995
		DE69015956E	23.02.1995
		ES2066931T	16.03.1995
		US5401852A	28.03.1995
		JP2852801B2	03.02.1999
WO0170707A	27.09.2001	US2001044540A1	22.11.2001
		AU200149161A	03.10.2001
		US2002035253A1	21.03.2002
		EP1268447A2	02.01.2003

## 国际检索报告

国际申请号  
PCT/CN03/00462

## A. 主题的分类

IPC<sup>7</sup> C07C33/042 C07C29/42 C07C215/36 C07D239/80

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

## B. 检索领域

检索的最低限度文献(标明分类体系和分类号)

C07C C07D

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

WPI, EPODOC, PAJ, CNPAT, STN

## C. 相关文件

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
A	CN1314333A (中国科学院上海有机化学研究所) 2001 年 9 月 26 日 (全文) C07C33/042	1-21
A	CN1185146A (麦克公司) 1998 年 6 月 17 日 (全文) C07C213/00	1-21
A	US5202484A (ZAMBON GROUP SPA) 1993 年 4 月 13 日 (全文) C07C209/00	1-21
A	WO0170707A (DU PONT PHARM. CO.) 2001 年 9 月 27 日 (全文) C07D239/00	1-21

☐ 其余文件在 C 栏的续页中列出。☒ 见同族专利附件。

\* 引用文件的专用类型:

“A” 明确叙述了被认为不是特别相关的一般现有技术的文件

“E” 在国际申请日的当天或之后公布的在先的申请或专利

“L” 可能引起对优先权要求的怀疑的文件, 为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

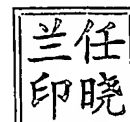
“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布的在后文件, 它与申请不相抵触, 但是引用它是为了解构成发明基础的理论或原理

“X” 特别相关的文件, 仅仅考虑该文件, 权利要求所记载的发明就不能认为是新颖的或不能认为是有创造性

“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 权利要求记载的发明不具有创造性

“&amp;” 同族专利成员的文件

国际检索实际完成的日期  
25.12.2003国际检索报告邮寄日期  
15.1月2004(15.01.2004)国际检索单位名称和邮寄地址  
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国际检索报告  
关于同族专利成员的情报

国际申请号  
PCT/CN03/00462

检索报告中引用的 专利文件	公布日期	同族专利成员	公布日期
CN1314333A	26.09.2001	无	
CN1185146A	17.06.1998	WO9637457A1	28.11.1996
		AU5866796A	11.12.1996
		US5633405A	27.05.1997
		US5698741A	16.12.1997
		EP0828703A1	18.03.1998
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		ES2151666T	01.01.2001
		TW402581A	21.08.2000
		SK282412B	07.01.2002
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		JP3188050A	16.08.1991
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		DE69015956E	23.02.1995
		ES2066931T	16.03.1995
		US5401852A	28.03.1995
		JP2852801B2	03.02.1999
WO0170707A	27.09.2001	US2001044540A1	22.11.2001
		AU200149161A	03.10.2001
		US2002035253A1	21.03.2002
		EP1268447A2	02.01.2003